

CANOPY SIDE ELEVATION
SCALE: 1"=10'

CANOPY FRONT ELEVATION
SCALE: 1"=10'

SCHEDULE A: PERIMETER LANDSCAPED EDGE

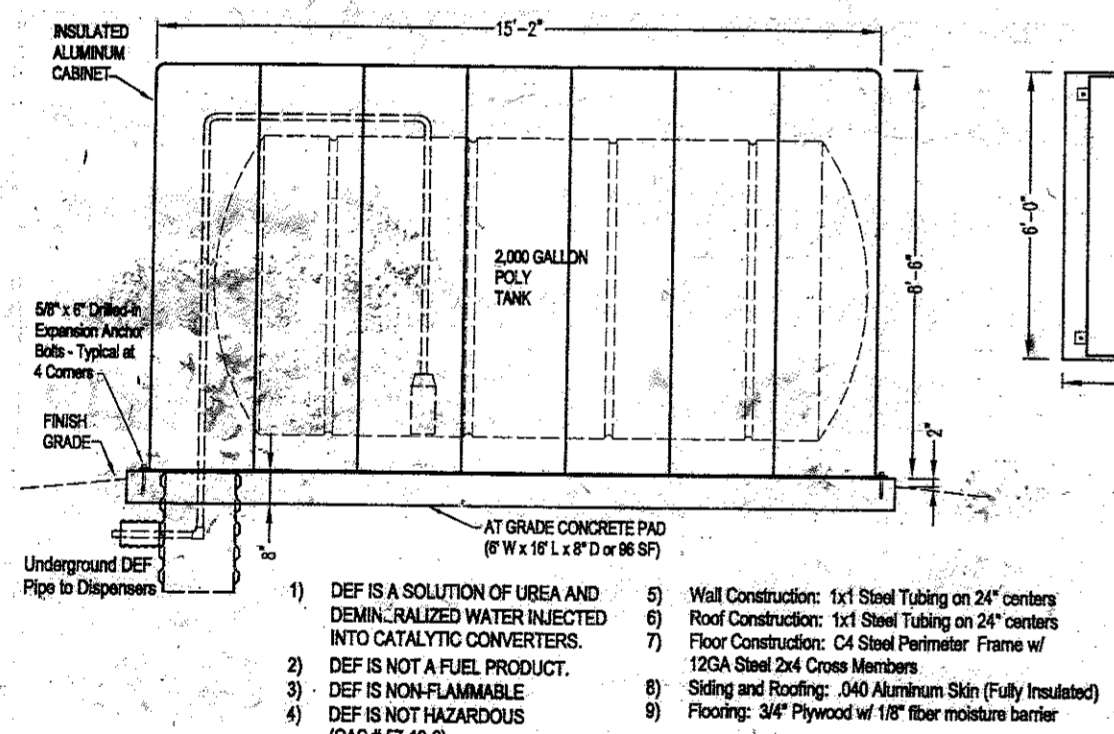
CATEGORY	ADJACENT TO ROADWAYS	TOTAL
LANDSCAPE TYPE	E (PERIMETER 1) 29 LF	E (PERIMETER 2) 25 LF
CREDIT FOR EXISTING VEGETATION (YES, NO, LINEAR FEET)	NO	NO
CREDIT FOR WALL, FENCE, OR BERM (YES, NO, LINEAR FEET)	NO	NO
NUMBER OF PLANTS REQUIRED	1 SHADE TREE 0 EVERGREEN TREES 7 SHRUBS	1 SHADE TREE 0 EVERGREEN TREES 6 SHRUBS
NUMBER OF PLANTS PROVIDED	1 SHADE TREE 0 EVERGREEN TREES 0 SUBSTITUTION TREES 7 SHRUBS	1 SHADE TREE 0 EVERGREEN TREES 0 SUBSTITUTION TREES 6 SHRUBS

PLANT SCHEDULE

ITEM NO.	QUANTITY	COMMON NAME	BOTANICAL NAME	SIZE	REMARKS	SPACING	SYMBOL
1	5	WILLOW OAK	QUERCUS PHELLOS	2 1/2"	BALL & BURLAP	30'c-c	(+)
2	9	BLOODGOOD LONDON PLANE (SYCAMORE)	PLATANUS ACERIFOLIA 'BLOODGOOD'	2 1/2" CAL	BALL & BURLAP		(O)
3	13	REDBER RYEBARD	CORNUS STOLONIFERA	2 1/2" HT.	1 GAL CONTAINER		(G)

ADDRESS CHART

LOT NUMBER	STREET ADDRESS
LOT 56 22	7410 U.S. ROUTE 1



DEVELOPER'S CERTIFICATE

"I, WE CERTIFY THAT ALL DEVELOPMENT AND CONSTRUCTION WILL BE DONE ACCORDING TO THIS PLAN OF DEVELOPMENT AND PLAN FOR EROSION AND SEDIMENT CONTROL AND THAT ALL RESPONSIBLE PERSONNEL INVOLVED IN THE CONSTRUCTION PROJECT WILL HAVE A CERTIFICATE OF ATTENDANCE AT A DEPARTMENT OF NATURAL RESOURCES APPROVED TRAINING PROGRAM FOR THE CONTROL OF SEDIMENT AND EROSION BEFORE BEGINNING THE PROJECT. I ALSO AUTHORIZE PERIODIC ONSITE INSPECTION BY THE HOWARD SOIL CONSERVATION DISTRICT OR THEIR AUTHORIZED AGENTS, AS ARE DEEMED NECESSARY."

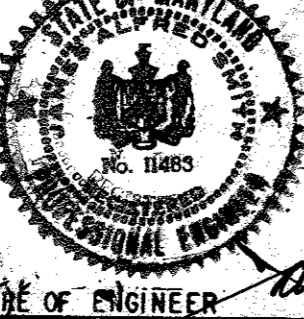
DEVELOPER'S/ OWNER'S CERTIFICATE
I, WE CERTIFY THAT THE LANDSCAPE PLANTING SHOWN ON THIS PLAN WILL BE DONE IN ACCORDANCE WITH BA 01-60C, SECTION 16.124 OF THE HOWARD COUNTY CODE AND THE HOWARD COUNTY LANDSCAPE MANUAL. I, WE FURTHER CERTIFY THAT UPON COMPLETION, A ACCOMPANIED BY AN EXECUTED ONE YEAR GUARANTEE OF PLANT MATERIALS, WILL BE SUBMITTED TO THE DEPARTMENT OF PLANNING AND ZONING.

Craig McBride 10-04-02
NAME DATE

ENGINEER'S CERTIFICATE

I HEREBY CERTIFY THAT THIS PLAN FOR EROSION AND SEDIMENT CONTROL REPRESENTS A PRACTICAL AND WORKABLE PLAN BASED ON MY PERSONAL KNOWLEDGE OF THE SITE CONDITIONS AND THAT IT WAS PREPARED IN ACCORDANCE WITH THE REQUIREMENTS OF THE HOWARD COUNTY SOIL CONSERVATION DISTRICT.

[Signature] 11-17-02
SIGNATURE OF ENGINEER DATE



APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS, HOWARD COUNTY HEALTH DEPARTMENT

COUNTY HEALTH OFFICER: *[Signature]* DATE: 4-2-87

APPROVED: HOWARD COUNTY OFFICE OF PLANNING AND ZONING

DIRECTOR: *[Signature]* DATE: 4-6-87

CHIEF DIVISION OF LAND DEVELOPMENT AND ZONING ADMINISTRATION

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE, STORM DRAINAGE SYSTEMS AND PUBLIC ROADS, HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS

DIRECTOR: *[Signature]* DATE: 3-30-87

CHIEF BUREAU OF ENGINEERING: *[Signature]* DATE: 3-27-87

WASHINGTON BOULEVARD U.S. ROUTE 1

I HEREBY CERTIFY THAT THESE RED LINE DOCUMENTS FOR REVISION 3 FOR THE PROPOSED DIESEL EXHAUST FLUID (DEF) TANK AND NOZZLE WERE PREPARED OR CERTIFIED BY ME, AND THAT I AM A ONLY LICENSED PROFESSIONAL ENGINEER UNDER THE LAW OF THE STATE OF MARYLAND, LICENSE #9999, EXPIRATION DATE 9/12/13

[Signature] 11/04/16
DATE



REVIEWED FOR HOWARD SOIL CONSERVATION DISTRICT AND MEETS TECHNICAL REQUIREMENTS

U.S. SOIL CONSERVATION SERVICE DATE: 3-25-87

THIS DEVELOPMENT IS APPROVED FOR EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT.

APPROVED: *[Signature]* DATE: 3/25/87
DISTRICT HOWARD SOIL CONSERVATION DISTRICT

APPROVED: OFFICE OF PLANNING AND ZONING

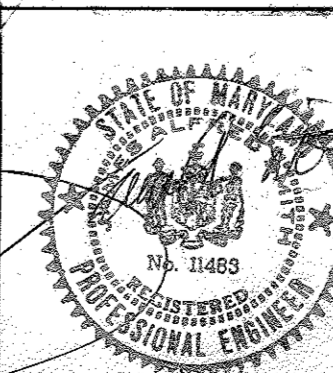
PLANNING DIRECTOR: *[Signature]* DATE: []

CHIEF, DIVISION OF LAND DEVELOPMENT AND ZONING ADMINISTRATION: *[Signature]* DATE: []

APPROVED: HOWARD COUNTY HEALTH DEPARTMENT FOR PUBLIC WATER AND SEWERAGE SYSTEMS

HEALTH OFFICER: *[Signature]* DATE: []

James A. Smith & Associates, P.C.,
7107 Woodley Lane
Falls Church, Virginia 22042



REVISIONS

1. ADD PAVEMENT AND PUMPS (6/28/87)

2. ADD CANOPY

3. ADD CANOPY

WASHINGTON MANOR PARK
1ST ELECTION DISTRICT
HOWARD COUNTY MARYLAND

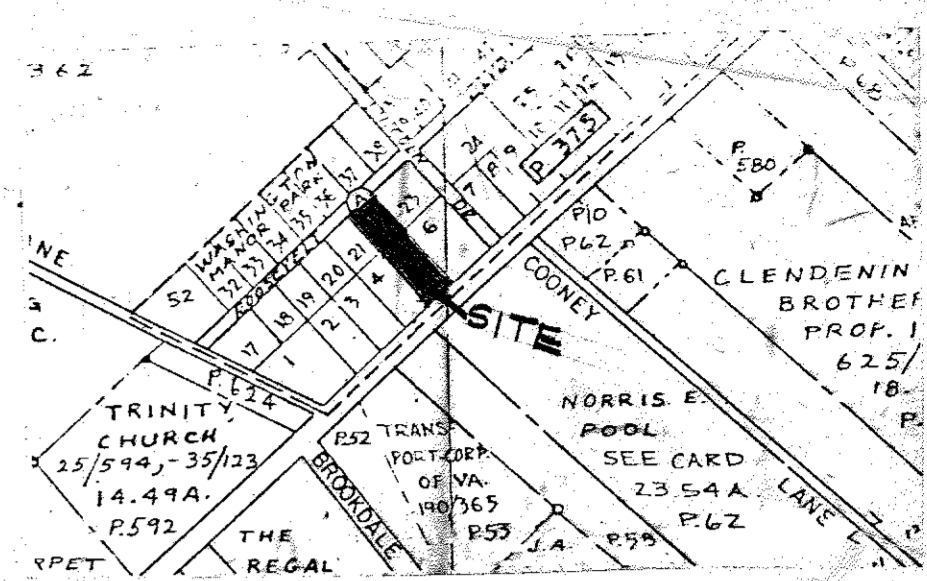
CARD READING SITE PLAN FACILITY

QUARLES PETROLEUM
HOWARD COUNTY, MARYLAND

james a. smith & assoc's.
civil engineers land surveyors
virginia (703) 821-5483

SHEET 1 OF 3

- ON FEB 7, 2002, THE PLANNING BOARD OF HOWARD COUNTY, MARYLAND, CONSIDERED THE PETITION OF THIRD GENERATION LP 1/2 QUARLES PETROLEUM, INC. FOR A CONDITIONAL USE UNDER THE GASOLINE SERVICE STATIONS CATEGORY FOR AN ALTERATION TO AN EXISTING SELF-SERVICE FUELING FACILITY BY INSTALLING A CANOPY OVER THE EXISTING FUEL ISLANDS. THE PLANNING BOARD OF HOWARD COUNTY APPROVED THE PETITION ON FEB 21, 2002 WITH SIX RECOMMENDED CONDITIONS.
- THE CONDITIONAL USE SHALL APPLY ONLY TO THE PROPOSED CANOPY AS DESCRIBED IN THE PETITION, AND AS DEPICTED ON THE CONDITIONAL USE PLAN FOR "O-CARD 404 JESSUP" SUBMITTED ON OCTOBER 11, 2001, OR AS MAY BE REVISED BY THE BOARD OF THESE CONDITIONS, AND NOT TO ANY OTHER ACTIVITIES, USES, OR STRUCTURES ON THE PROPERTY.
- THE CANOPY LIGHT FIXTURES SHALL BE FULL CUTOFF FIXTURES IN COMPLIANCE WITH SECTION 134.C.1 OF THE ZONING REGULATIONS.
- THE TOTAL 12 OAK TREES ORIGINALLY APPROVED UNDER SDP-86-253 SHALL BE PLANTED, OR REPLACED IF NOT VIABLE, AS WAS REQUIRED BY BA 97-31E. THE BUILDING PERMIT APPLICATION FOR THE CANOPY SHALL NOT BE GRANTED AUTHORIZATION UNLESS THE DEPARTMENT OF PLANNING AND ZONING VERIFIES THAT THIS PLANTING OR REPLACEMENT HAS BEEN ACCOMPLISHED.
- EXPRESSLY IN ADDITION TO CONDITION NO. 3 ABOVE, THE US 1 FRONTAGE SHALL ALSO BE PLANTED WITH A TYPE E LANDSCAPING BUFFER.
- THE PROPERTY SHALL BE MAINTAINED AT ALL TIMES IN A CLEAN AND ORDERLY CONDITION, AND ALL LANDSCAPING TREES AND PLANTS SHALL BE CARED FOR, AND THESE TREES AND PLANTS SHALL BE REPLACED IF THEY DIE OR ARE CONSIDERABLY DAMAGED OR DISEASED. CONSIDERATION SHOULD BE GIVEN TO INSTALLING AN AUTOMATIC UNDERGROUND SPRINKLER SYSTEM TO HELP MAINTAIN THE LANDSCAPING.
- THE USE SHALL COMPLY WITH SECTION 131.N.25.J CONCERNING ABANDONMENT.
- THE PETITION SHALL COMPLY WITH ALL APPLICABLE FEDERAL, STATE, AND COUNTY LAWS AND REGULATIONS.



VICINITY MAP
SCALE 1"=600'

10) BOARD OF APPEALS CASE NO. 10-014N WAS A PETITION FOR EXPANSION OF A NONCONFORMING USE TO EXPAND THE GAS STATION SHOWN BY SDP-86-253 TO INCLUDE AN ABOVE GROUND TANK FOR DIESEL EXHAUST FLUID (DEF) AND TWO DEF DISPENSERS.

Meadowbridge Industries Partnership
c/o Crystal Heights
Suite B
Columbia, Md. 21046

17) ON AUGUST 11, 2010 THE HOWARD COUNTY BOARD OF APPEALS HEARING EXAMINER HEARD THE PETITION OF QUARLES PETROLEUM, INC. TO EXPAND AN EXISTING NON-CONFORMING USE BY INSTALLING A DEF TANK AND TWO DEF DISPENSERS. THE HEARING EXAMINER APPROVED THE PETITION (BOA) CASE NO. 10-014N ON SEPTEMBER 14, 2010 WITH THE FOLLOWING CONDITIONS:

- 1) THE ENLARGEMENT/EXPANSION SHALL BE NO MORE THAN 90%.
- 2) PETITIONER SHALL OBTAIN ALL REQUIRED PERMITS.

TYPICAL SECTION PAVEMENT
NO SCALE



NOTES:

1. OWNERS: LOT 5 - PAULINE AND SAMUEL R. FORTUNE, ZONED CG-6U1
LOT 22 - MARIE PRATT, ZONED CG-6U1
2. PETITIONER: QUARLES ROBERTSON OIL, DIVISION OF QUARLES PETROLEUM, INC.
P.O. BOX 85
NEWINGTON, VIRGINIA 22122
3. TOTAL AREA: 39,000 SQ. FT.
4. LOW VOLUME TRAFFIC INTO AND EXITING THIS SITE SHOULD CURVE NO MORE OR CREATE ANY HAZARD. TRAFFIC SIGNAL NORTH OF SITE ON U.S. 1 AT APPROXIMATELY 200'. THERE IS NO PEDESTRIAN TRAFFIC TO ANY SCHOOL, PLAYGROUND, HOSPITAL, ETC.
5. NO STRUCTURE OR RESTROOM FACILITIES, NOT OPEN TO PUBLIC
6. NO OFF-STREET PARKING SHOWN - NO EMPLOYEES PERMANENTLY PRESENT ON SITE.
7. LANDSCAPING: A LARGE PART OF THE SITE IS TO REMAIN IN NATURAL WOODED STATE. DESIGNATED PLANTING AREAS WILL BE PLANTED WITH BLUE RUCK JUNIPER FOR GROUND COVER TO SUFFICIENTLY COVER THE PLANTED AREAS IN 3-5 YEARS. FITZGER JUNIPERS WILL BE PLANTED FOR HIGHLIGHTING ONLY. NO SCREENING IS PLANNED OR INTENDED. THE 12 OAK TREES ORIGINALLY SPECIFIED SHALL BE MAINTAINED AND REPLACED THROUGHOUT THE TERM OF THE SPECIAL EXCEPTION USE.
8. BOARD OF APPEALS CASE NO. 85-35E.
9. ANY FUTURE EXPANSION OF THESE FACILITIES SHALL REQUIRE THAT STORM WATER MANAGEMENT BE PROVIDED FOR THE TOTAL NET INCREASE.
10. BOARD OF APPEALS CASE NO. 97-31E WAS A PETITION FOR A SPECIAL EXCEPTION TO EXPAND THE GAS STATION SHOWN ON SDP-86-253 TO INCLUDE TWO (2) ADDITIONAL SERVICE ISLANDS AND THREE (3) ADDITIONAL FUEL DISPENSERS. THESE REVISIONS WERE MADE ON JUNE 4, 1998.
11. DIESEL FUEL ONLY WILL BE DISPENSED FROM NEW PUMPS.
12. ALL EXTERIOR LIGHTING SHALL BE SHIELDED AND DIRECTED SO THAT IT DOES NOT ILLUMINATE RESIDENTIAL PROPERTIES, DOES NOT SHINE DIRECTLY ONTO ANY ADJACENT PROPERTIES, AND DOES NOT PRODUCE GLARE WHICH WOULD CAUSE A HAZARD FOR MOTOR VEHICLE OPERATORS IN THE VICINITY OF THE PROPERTY. ALL EXTERIOR LIGHTING SHALL COMPLY WITH THE REQUIREMENTS OF SECTION 134.
13. THE TWELVE OAK TREES SPECIFIED ON THIS PLAN SHALL BE MAINTAINED AND REPLACED THROUGHOUT THE TERM OF THE SPECIAL EXCEPTION USE (BA NO. 97-31E & BA NO. 01-60C)
14. IN ACCORDANCE WITH BA NO. 01-60C, TYPE E LANDSCAPING BUFFER HAS BEEN ADDED TO THE FRONTAGE WITH US ROUTE 1. THREE EX-MAPLE TREES ALONG THE WESTERN PROPERTY LINE HAVE BEEN CREDITED TOWARD THE PLANTING REQUIREMENTS OF BA NO. 97-31E.

SUBDIVISION NAME	SECT./AREA	LOT/PARCEL #
WASHINGTON MANOR PARK	"A"	56 22
PLAT BLOCK	ZONE	TAX/USE MAP
485/64	4	CG-6U1
RATER CODE	SEWER CODE	
NA	NA	

(OR SYCAMORE)
13. THE TWELVE OAK TREES SPECIFIED ON THIS PLAN SHALL BE MAINTAINED AND REPLACED THROUGHOUT THE TERM OF THE SPECIAL EXCEPTION USE (BA NO. 97-31E & BA NO. 01-60C)

14. IN ACCORDANCE WITH BA NO. 01-60C, TYPE E LANDSCAPING BUFFER HAS BEEN ADDED TO THE FRONTAGE WITH US ROUTE 1. THREE EX-MAPLE TREES ALONG THE WESTERN PROPERTY LINE HAVE BEEN CREDITED TOWARD THE PLANTING REQUIREMENTS OF BA NO. 97-31E.

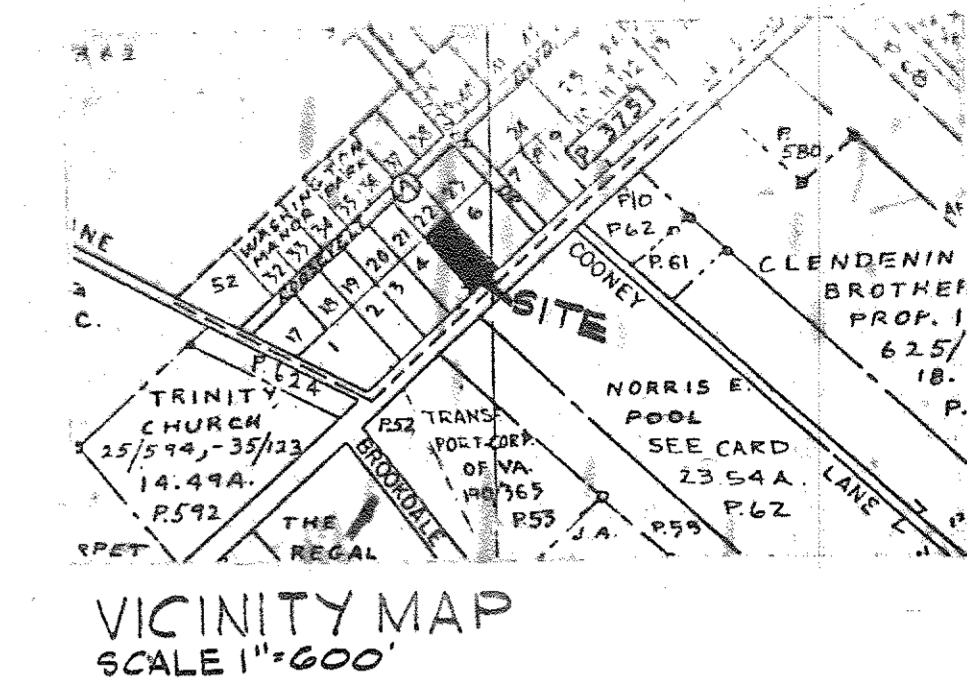
WASHINGTON MANOR PARK
1ST ELECTION DISTRICT
HOWARD COUNTY MARYLAND

CARD READING SITE PLAN FACILITY

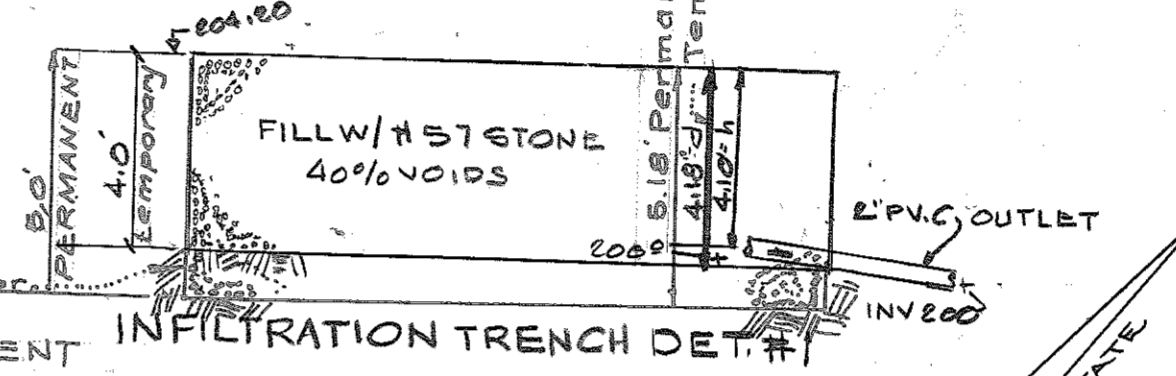
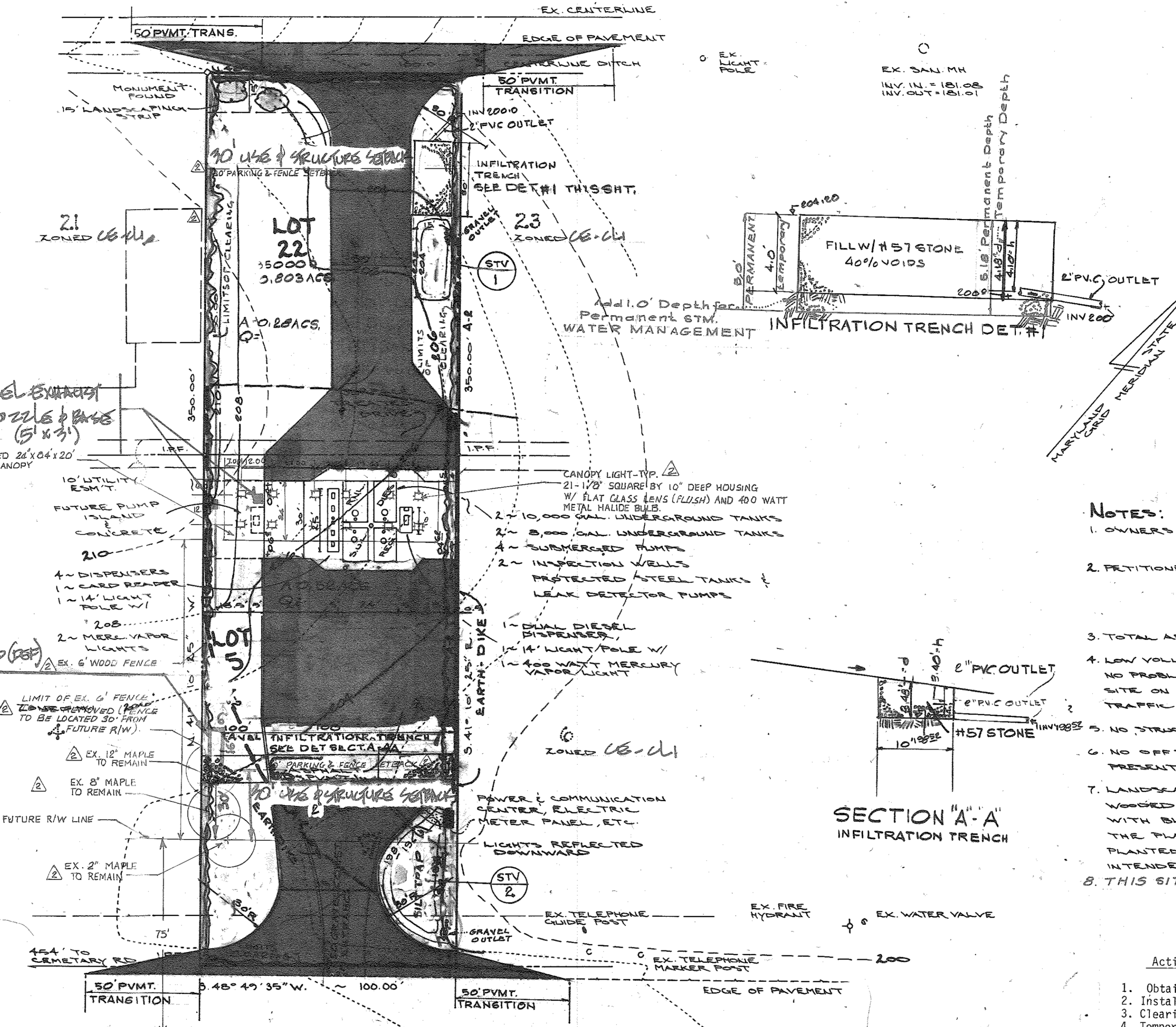
QUARLES PETROLEUM
HOWARD COUNTY, MARYLAND

james a. smith & assoc's.
civil engineers land surveyors
virginia (703) 821-5483

SHEET 1 OF 3



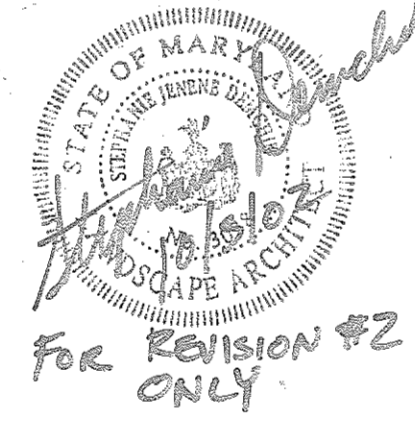
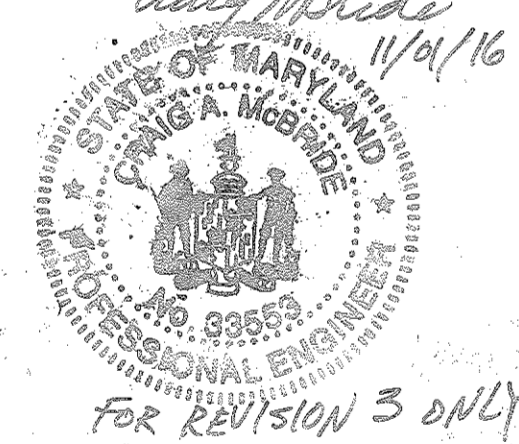
ROOSEVELT BOULEVARD



- NOTES:**
- OWNERS: LOT 5 - PAULINE AND DANIEL R. FORTUNE, ZONED *UG-1*; LOT 22 - MARIE PRATT, ZONED *UG-1*
 - PETITIONER: QUARLES ROBERTSON OIL, DIVISION OF QUARLES I PETROLEUM, INC., P.O. BOX 85, NEWINGTON, VIRGINIA 22122
 - TOTAL AREA: 39,000 SQ. FT.
 - LOW VOLUME TRAFFIC INTO AND EXITING THIS SITE SHOULD CAUSE NO PROBLEM OR CREATE ANY HAZARD. TRAFFIC SIGNAL NORTH OF SITE ON U.S. 1 AT APPROXIMATELY 300'. THERE IS NO PEDESTRIAN TRAFFIC TO ANY SCHOOL, PLAYGROUND, HOSPITAL, ETC.
 - NO STRUCTURE OR REST ROOM FACILITIES.
 - NO OFF-STREET PARKING SHOWN - NO EMPLOYEES PERMANENTLY PRESENT ON SITE.
 - LANDSCAPING: A LARGE PART OF THE SITE IS TO REMAIN IN NATURAL WOODED STATE. DESIGNATED PLANTING AREAS WILL BE PLANTED WITH BLUE RICH JUNCIPER FOR GROUND COVER TO SUFFICIENTLY COVER THE PLANTED AREAS IN 3-5 YEARS. FERTILIZER UNIFORMS WILL BE PLANTED FOR HIGHLIGHTING ONLY. NO SCREENING IS PLANNED OR INTENDED.
 - THIS SITE DOES NOT REQUIRE PUBLIC SEWER & WATER

Activity	Sequence of Construction	Estimated Time (Months)
1. Obtain Permit to Grade		4
2. Installation of Sediment Control		14
3. Clearing & Rough Grading		5
4. Temporary Seeding		1
5. Install Sediment Control for Infiltration Trenches		120
6. Site Construction		7
7. REMOVE 1.0' OF INFILTRATION TRENCH TO INSTALL PERMANENT STM WATER MANAGEMENT FACILITY		total 150/5 months
8. REMOVAL OF SEDIMENT CONTROL DEVICES		7
9. FINE GRADING - PERMANENT SEEDING		150 DAYS/5.23 months

I HEREBY CERTIFY THAT THESE RED LINE DOCUMENTS FOR REVISION 3 FOR THE PROPOSED DIESEL EXHAUST FLUID (DEF) TANK AND NOZZLES WERE PREPARED OR CERTIFIED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER LAWS OF THE STATE OF MARYLAND, LICENSE 19663, EXPIRATION DATE OF 9/12/18



DEVELOPER'S CERTIFICATE

I/WE CERTIFY THAT ALL DEVELOPMENT AND CONSTRUCTION WILL BE DONE ACCORDING TO THIS PLAN OF DEVELOPMENT AND PLAN FOR EROSION AND SEDIMENT CONTROL AND THAT ALL RESPONSIBLE PERSONNEL INVOLVED IN THE CONSTRUCTION PROJECT WILL HAVE A CERTIFICATE OF ATTENDANCE AT A DEPARTMENT OF NATURAL RESOURCES APPROVED TRAINING PROGRAM FOR THE CONTROL OF SEDIMENT AND EROSION BEFORE BEGINNING THE PROJECT. I/WE AUTHORIZE PERIODIC ON-SITE INSPECTION BY THE HOWARD SOIL CONSERVATION DISTRICT OR THEIR AUTHORIZED AGENTS, AS DEEMED NECESSARY.

Signature of Developer: *James A. Smith* DATE: 11/14/86

APPROVED PLANNING BOARD OF HOWARD COUNTY

DATE: 11-12-86

NOTE: ALL EXTERIOR LIGHTING SHALL COMPLY WITH THE REQUIREMENTS OF ZONING SECTION 134. ALL CANOPY LIGHTS ARE SCOTTSDALE METAL HALIDE REDUCED 400 WATT LUMINAIRES OR EQUAL. HEIGHT OF LUMINAIRES IS 17-FT. HORIZONTAL LOCATION OF CANOPY LIGHTS IS AS SHOWN ON THE PLAN ABOVE.

Quarles Petroleum, Inc.
P.O. Box 5249
Fredericksburg, Virginia 22403
Phone: 371-2400

LOT 22 SECTION 'A'

WASHINGTON MANOR PARK
15th Election District HOWARD COUNTY, MARYLAND
DRAINAGE DIVIDES
STM. WATER MANAGEMENT-SOIL EROSION
CARD READING FUEL FACILITY

ENGINEER'S CERTIFICATE

I HEREBY CERTIFY THAT THIS PLAN FOR EROSION AND SEDIMENT CONTROL REPRESENTS A PRACTICAL AND WORKABLE PLAN BASED ON MY PERSONAL KNOWLEDGE OF THE SITE CONDITIONS AND THAT IT WAS PREPARED IN ACCORDANCE WITH THE REQUIREMENTS OF THE HOWARD SOIL CONSERVATION DISTRICT.

Signature of Engineer: *James A. Smith* DATE: 11/14/86

APPROVED: DEPARTMENT OF PUBLIC WORKS FOR PUBLIC WATER & SEWER AND STORM DRAINAGE SYSTEMS AND ROADS.

Signature: *John F. Namy* DATE: 3-20-87
DIRECTOR, PUBLIC WORKS

Signature: *John F. Namy* DATE: 3-27-87
CHIEF, BUREAU OF ENGINEERING

REVIEWED FOR HOWARD SOIL CONSERVATION DISTRICT AND MEETS TECHNICAL REQUIREMENTS

Signature: *James A. Smith* DATE: 3-25-87
U.S. SOIL CONSERVATION SERVICE

Signature: *James A. Smith* DATE: 4-6-87
PLANNING DIRECTOR

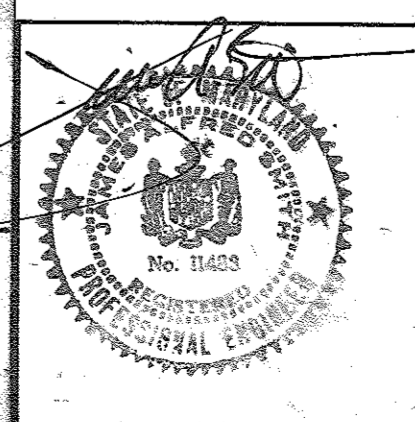
Signature: *John W. Mumberson* DATE: 4-3-87
CHIEF, DIVISION OF LAND DEVELOPMENT AND ZONING ADMINISTRATION

APPROVED: OFFICE OF PLANNING AND ZONING

Signature: *James A. Smith* DATE: 4-6-87
PLANNING DIRECTOR

Signature: *John W. Mumberson* DATE: 4-3-87
CHIEF, DIVISION OF LAND DEVELOPMENT AND ZONING ADMINISTRATION

James A. Smith
7107 Woodley Lane
Falls Church, Va 22042
703-573-5531



SCALE: 1"=50'
DATE: APR, 1986
DR. BY:
CHKD:
APPD:

SITE PLAN

QUARLES PETROLEUM

HOWARD COUNTY, MARYLAND

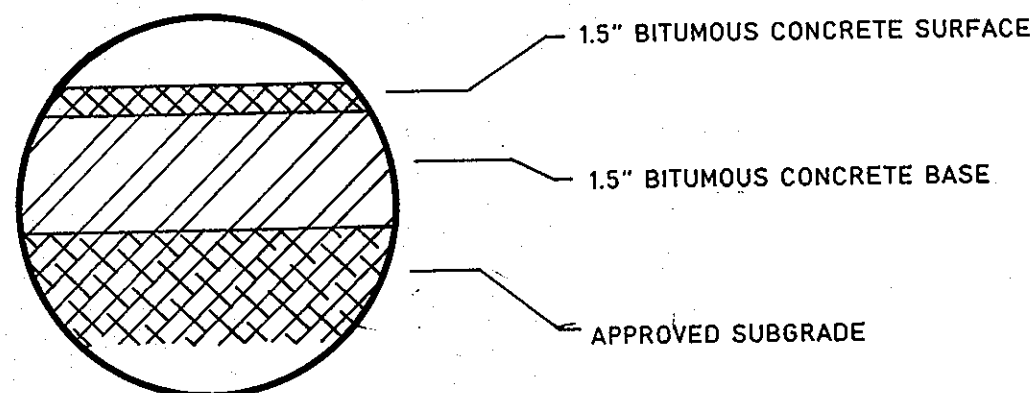
James a. smith & assoc's.
civil engineers land surveyors
melan, virginia (703) 573-5483
278-5531

SHEET 2 OF 3

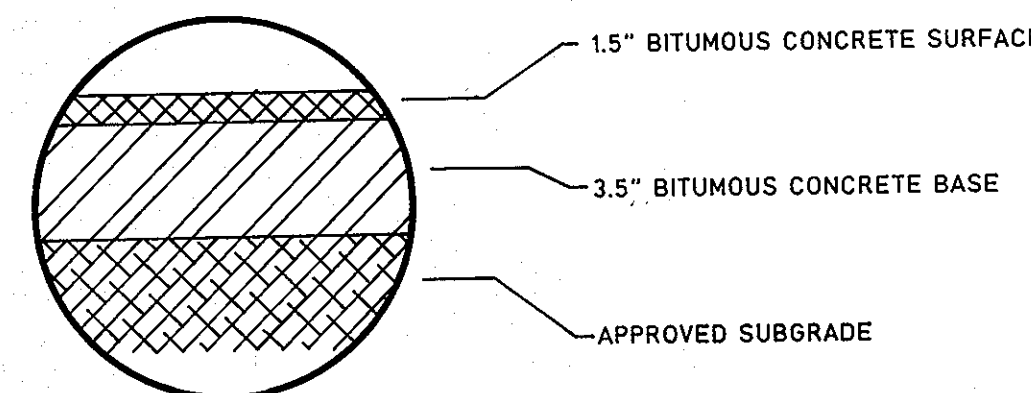
SUBDIVISION	SECTION/AREA	PANEL
PLAT NO	BLOCK NO	ZONE
TAX/ZONE	ELEC. DIST	CEHUSUS TR.
WATER CODE	SEWER CODE	NA

APPROVED: HOWARD COUNTY HEALTH DEPARTMENT FOR PUBLIC WATER AND SEWERAGE SYSTEMS

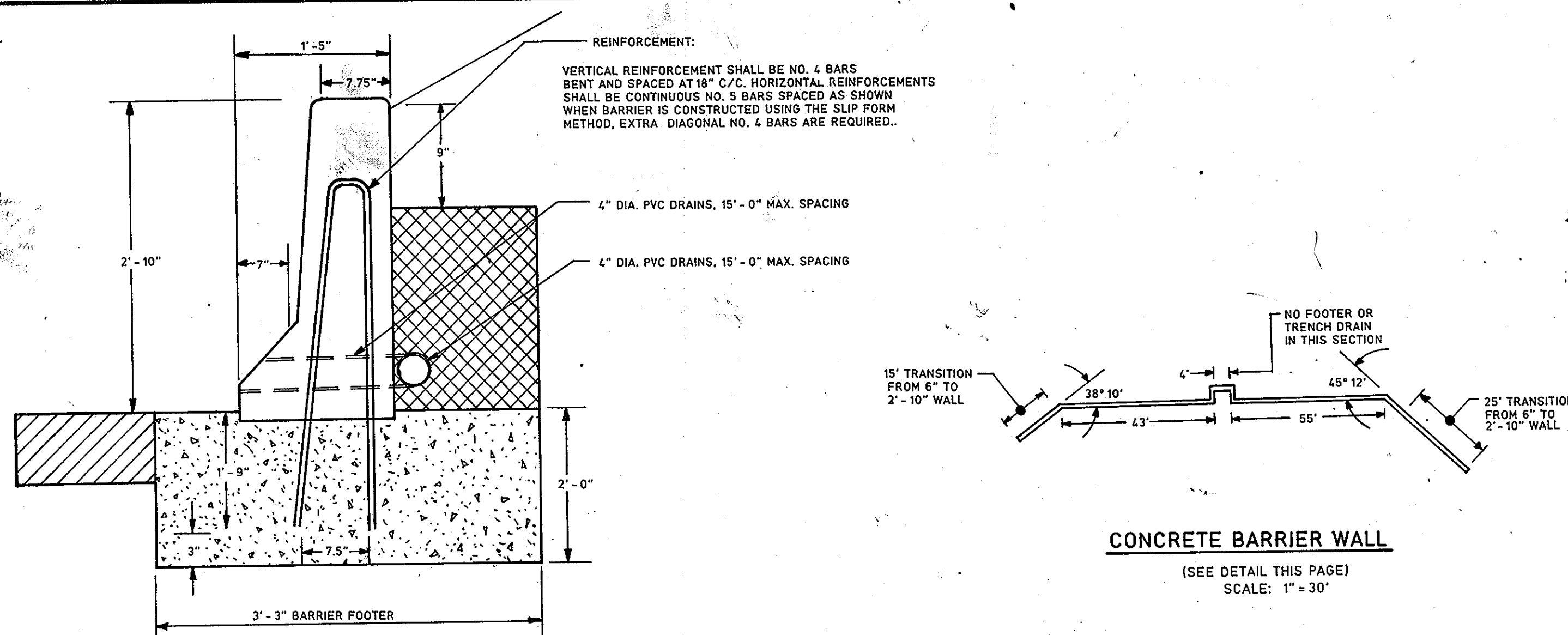
Signature: *James A. Smith* DATE: 4-2-87
HEALTH OFFICER



TYPICAL PAVEMENT DETAIL
HOWARD COUNTY STD. R-2.01
P-3

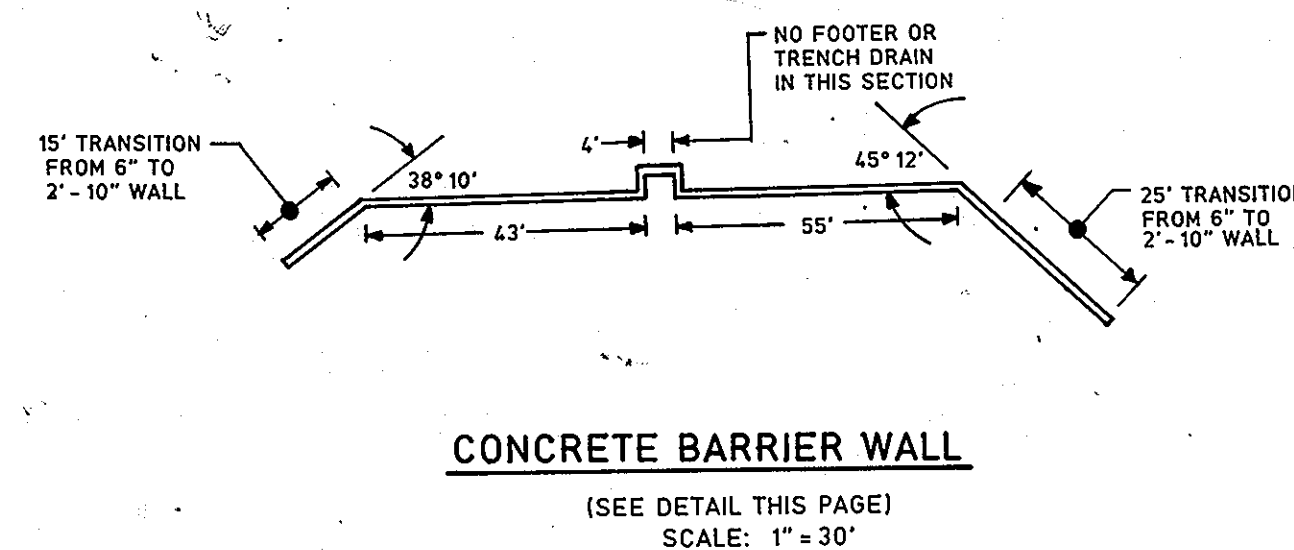


TYPICAL PAVEMENT DETAIL
HOWARD COUNTY STD. R-2.01
P-4

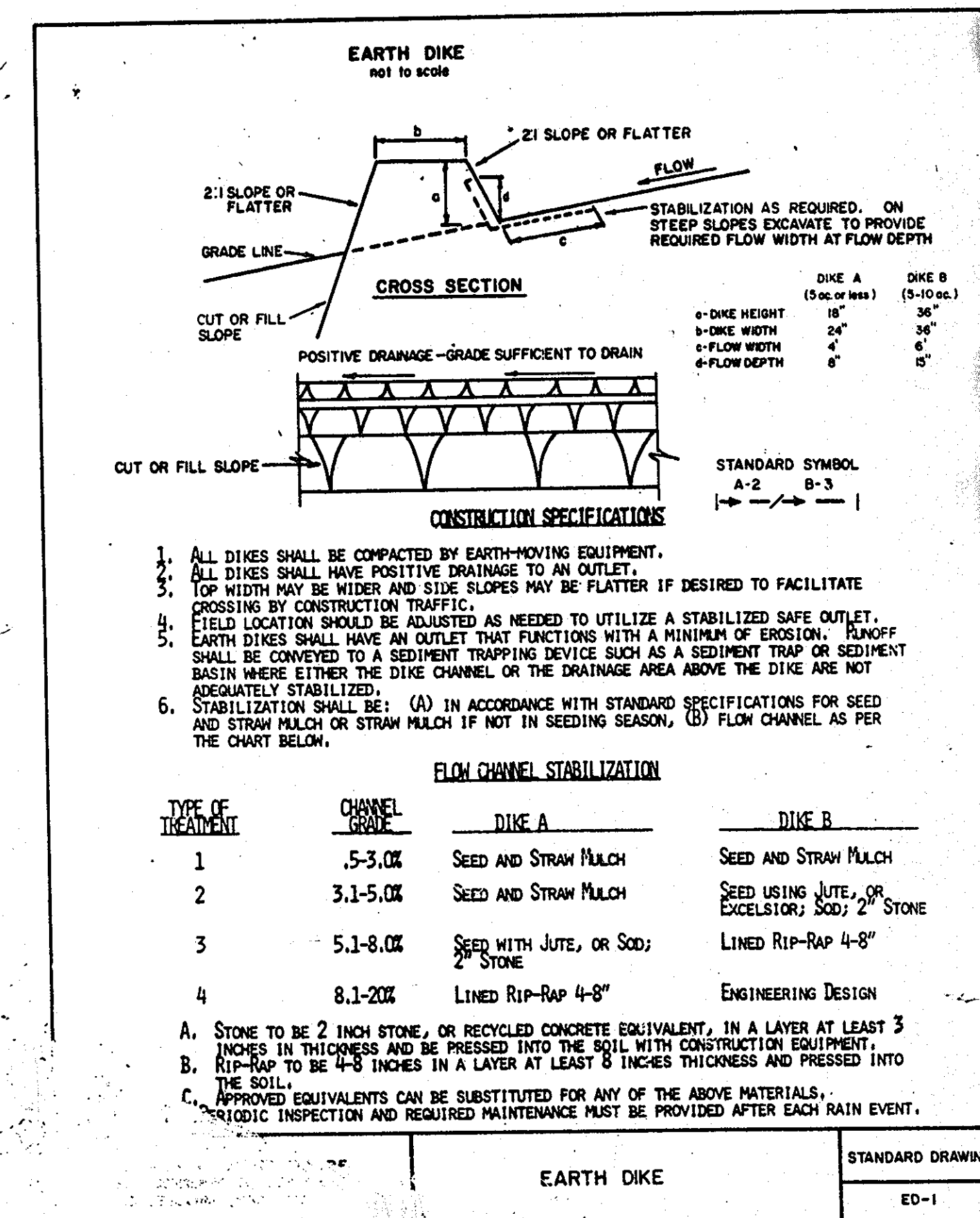


CONCRETE TRAFFIC BARRIER SINGLE FACE
TYPE III

(BOTTOM OF CUT OR TOE OF FILL)
MSHA STANDARD NO. MD-648.03

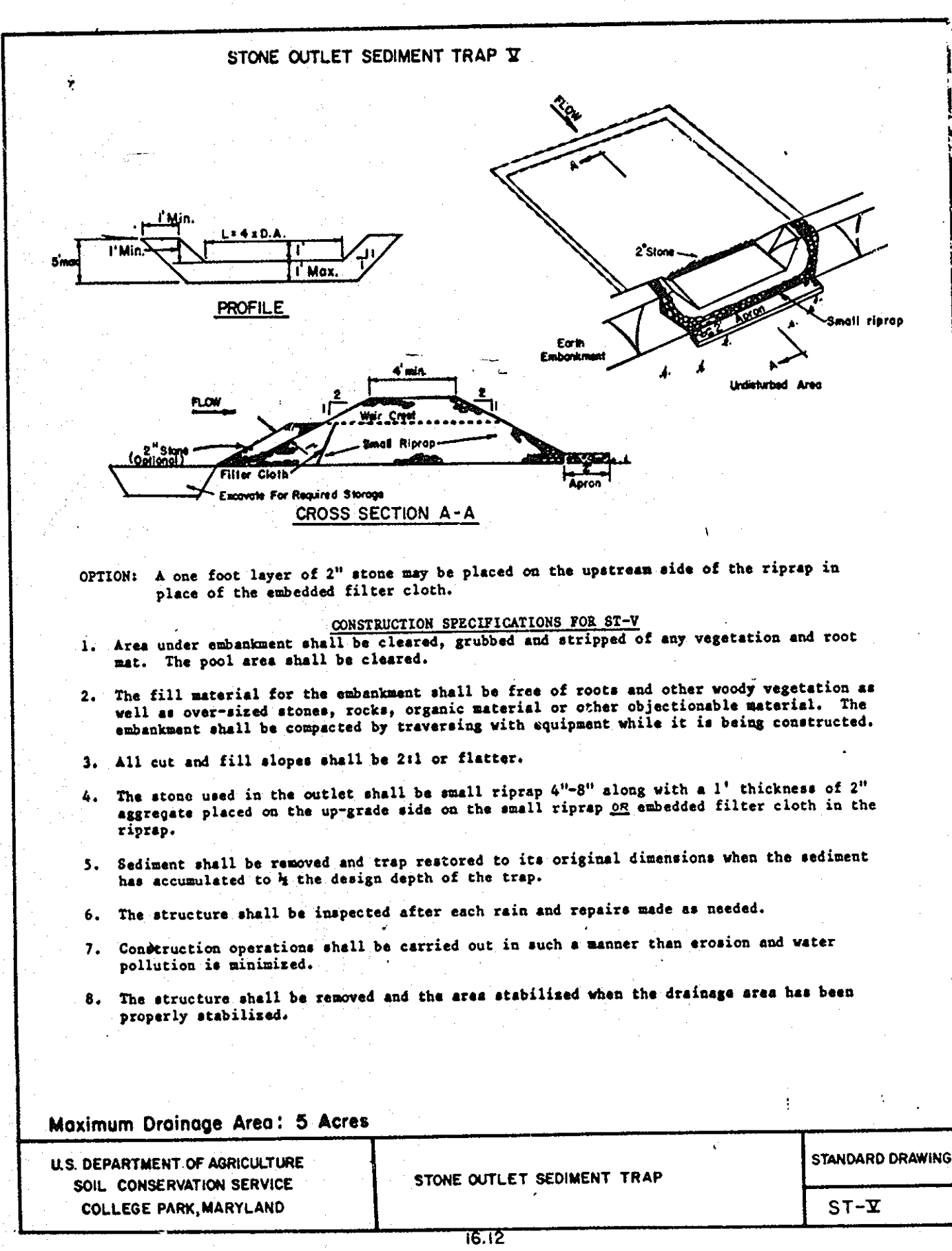


CONCRETE BARRIER WALL
(SEE DETAIL THIS PAGE)
SCALE: 1" = 30'



- ALL DIKES SHALL BE COMPACTED BY EARTH-MOVING EQUIPMENT.
- ALL DIKES SHALL HAVE POSITIVE DRAINAGE TO AN OUTLET.
- TOP WIDTH MAY BE WIDER AND SLOPE FLATTER IF DESIRED TO FACILITATE CROSSING BY CONSTRUCTION TRAFFIC.
- FIELD LOCATION SHOULD BE ADJUSTED AS NEEDED TO UTILIZE A STABILIZED SAFE OUTLET.
- EARTH DIKES SHALL HAVE AN OUTLET THAT FUNCTIONS WITH A MINIMUM OF EROSION. RUNOFF SHALL BE CONVEYED TO A SEDIMENT TRAPPING DEVICE SUCH AS A SEDIMENT TRAP OR SEDIMENT BASIN WHERE EITHER THE DIKE CHANNEL OR THE DRAINAGE AREA ABOVE THE DIKE ARE NOT ADEQUATELY STABILIZED.
- STABILIZATION SHALL BE: (A) IN ACCORDANCE WITH STANDARD SPECIFICATIONS FOR SEED AND STRAW MULCH OR STRAW MULCH IF NOT IN SEEDING SEASON, (B) FLOW CHANNEL AS PER THE CHART BELOW.

FLOW CHANNEL STABILIZATION
EARTH DIKE
STANDARD DRAWING
ED-1



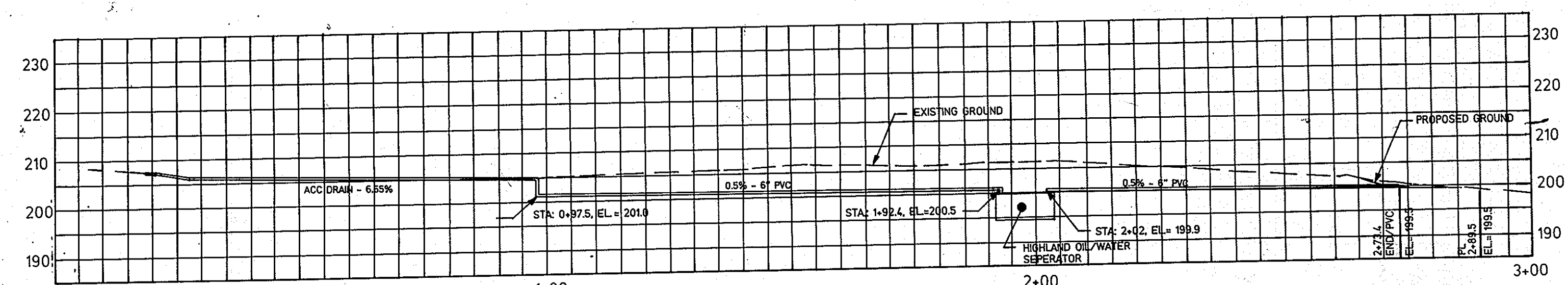
- OPTION: A one foot layer of 2" stone may be placed on the upstream side of the riprap in place of the embedded filter cloth.
- Area under embankment shall be cleared, grubbed and stripped of any vegetation and root mat. The pool area shall be cleared.
 - The fill material for the embankment shall be free of roots and other woody vegetation as well as oversized stones, rocks, organic material or other objectionable material. The embankment shall be compacted by traversing with equipment while it is being constructed.
 - All cut and fill slopes shall be 2:1 or flatter.
 - The stone used in the outlet shall be small riprap 4"-8" along with a 1' thickness of 2" aggregate placed on the up-grade side on the small riprap in the outlet.
 - Sediment shall be removed and trap restored to its original dimensions when the sediment has accumulated to 1/2 the design depth of the trap.
 - The structure shall be inspected after each rain and repairs made as needed.
 - Construction operations shall be carried out in such a manner that erosion and water pollution is minimized.
 - The structure shall be removed and the area stabilized when the drainage area has been properly stabilized.

Maximum Drainage Area: 5 Acres
U.S. DEPARTMENT OF AGRICULTURE
SOIL CONSERVATION SERVICE
COLLEGE PARK, MARYLAND
STONE OUTLET SEDIMENT TRAP
ST-X
16.12
STANDARD DRAWING

- SEDIMENT CONTROL NOTES
- A minimum of 24 hours notice must be given to the Howard County Office of Inspection and Permits prior to the start of any construction. (992-2437)
 - All vegetative and structural practices are to be installed according to the provisions of this plan and are to be in conformance with the 1983 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL.
 - Following initial soil disturbance or redistribution, permanent or temporary stabilization shall be completed within: a) 7 calendar days for all perimeter sediment control structures, dikes, perimeter slopes and all slopes greater than 3:1, b) 14 days for all other disturbed or graded areas on the project site.
 - All sediment traps/basins shown must be fenced and warning signs posted around their perimeter in accordance with Vol. 1, Chapter 12, of the HOWARD COUNTY DESIGN MANUAL, Storm Drainage.
 - All disturbed areas must be stabilized within the time period specified above in accordance with the 1983 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL for permanent seedings (Sec. 51) sod (Sec. 54), temporary seeding (Sec. 50) and mulching (Sec. 52.) Temporary stabilization with mulch alone can only be done when recommended seeding dates do not allow for proper germination and establishment of grasses.
 - All sediment control structures are to remain in place and are to be maintained in operative condition until permission for their removal has been obtained from the Howard County Sediment Control Inspector.
 - Site Analysis:
Total Area of Site: 0.80 Acres
Area Disturbed: 0.80 Acres
Area to be roofed or paved: 0.40 Acres
Area to be vegetatively stabilized: 0.40 Acres
Total Cut: 1300 Cu. yds
Total Fill: 1300 Cu. yds
Offsite waste/borrow area location: _____
 - Any sediment control practice which is disturbed by grading activity for placement of utilities must be repaired on the same day of disturbance.
 - Additional sediment controls must be provided, if deemed necessary by the Howard County DPM sediment control inspector.
 - On all sites with disturbed areas in excess of 2 acres, approval of the inspection agency shall be requested upon completion of installation of perimeter erosion and sediment controls, but before proceeding with any other earth disturbance or grading. Other building or grading inspection approvals may not be authorized until this initial approval by the inspection agency is made.

SILT TRAP TABLE

STR. NO.	AREA DRAINED	STO. REQ.	LENGTH	WIDTH	DEPTH	OUTLET W.	OUTLET ELEV.	STOR. PROVIDED
STV-1	0.29ac.	522	30'	15'	1.5'	2.0'	205	675 c.f.
STV-2	0.53ac.	954	30'	20'	1.6'	2.50'	192	960 c.f.



OIL WATER SEPARATOR PROFILE
SCALE: HOR: 1" = 20'
VER: 1" = 20'

APPROVED
PLANNING BOARD
OF HOWARD COUNTY
DATE: 11-12-86
[Signature]

Quarles Petroleum, Inc.
P.O. Box 5249
Fredericksburg, Virginia 22403
Phone: 371-2400

James A. Smith
7107 Woodley Lane
Falls Church, Va 22042
(703) 573-5991

LOT 5 & 22 SECTION A
WASHINGTON MANOR PARK
1ST ELECTION DISTRICT
HOWARD COUNTY MARYLAND

ENGINEER'S CERTIFICATE
I HEREBY CERTIFY THAT THIS PLAN FOR EROSION AND SEDIMENT CONTROL REPRESENTS A PRACTICAL AND WORKABLE PLAN BASED ON MY PERSONAL KNOWLEDGE OF THE SITE CONDITIONS AND THAT IT WAS PREPARED IN ACCORDANCE WITH THE REQUIREMENTS OF THE HOWARD COUNTY SOIL CONSERVATION DISTRICT.
[Signature]
DATE: 11/17/87

DEVELOPER'S CERTIFICATE
I/WE CERTIFY THAT ALL DEVELOPMENT AND CONSTRUCTION WILL BE DONE ACCORDING TO THIS PLAN OF DEVELOPMENT AND PLAN FOR EROSION AND SEDIMENT CONTROL AND THAT ALL RESPONSIBLE PERSONNEL INVOLVED IN THE CONSTRUCTION PROJECT WILL HAVE A CERTIFICATE OF ATTENDANCE AT A DEPARTMENT OF NATURAL RESOURCES APPROVED TRAINING PROGRAM FOR THE CONTROL OF SEDIMENT AND EROSION BEFORE BEGINNING THE PROJECT. I ALSO AUTHORIZE PERIODIC ONSITE INSPECTION BY THE HOWARD SOIL CONSERVATION DISTRICT OR THEIR AUTHORIZED AGENTS, AS ARE DEEMED NECESSARY.
[Signature]
DATE: 11/17/87

REVIEWED FOR HOWARD SOIL CONSERVATION DISTRICT AND MEETS TECHNICAL REQUIREMENTS
[Signature]
DATE: 3-25-87
U.S. SOIL CONSERVATION SERVICE

APPROVED: OFFICE OF PLANNING AND ZONING
[Signature]
DATE: 4-6-87
PLANNING DIRECTOR

APPROVED: DEPARTMENT OF PUBLIC WORKS FOR PUBLIC WATER & SEWER AND STORM DRAINAGE SYSTEMS AND ROADS.
[Signature]
DATE: 3-30-87
DIRECTOR PUBLIC WORKS

REVISIONS

SOIL EROSION DETAILS & NOTES
QUARLES PETROLEUM
James A. Smith & Assoc's.
civil engineers land surveyors
Falls Church, Virginia
(703) 821-5483
SDP-86-253